

## Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>GULF OF MEXICO</b>				
<b>SW PASS OF THE MS R TO ATCHAFALAYA R LA OUT 20NM COUNTY --- 27.0 S VENICE [28.89, -89.37]</b>				
	08/03/08 19:00 CST	1	0	Marine Strong Wind (EG 35 kt)
	08/03/08 19:00 CST		0	Source: Other Federal Agency
Coast Guard reported a 34 year old man apparently fell overboard a commercial shrimp boat several miles south of the Southwest Pass. He was presumed dead after several days of searching. Rough seas and high winds were occurring in the area in conjunction with Tropical Storm Edouard.				
Direct Fatalities: M34BO				
<b>Strong winds and high seas contributed to a man falling off a shrimp boat.</b>				
<b>PASCAGOULA MS TO SW PASS OF MS R 20 TO 60NM COUNTY --- 45.0 E VENICE [29.28, -88.62]</b>				
	08/08/08 07:46 CST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/08/08 07:46 CST		0	Source: Buoy
<b>PASCAGOULA MS TO SW PASS OF MS R 20 TO 60NM COUNTY --- 45.0 E VENICE [29.28, -88.62]</b>				
	08/08/08 07:58 CST		0	Marine Thunderstorm Wind (MG 37 kt)
	08/08/08 07:58 CST		0	Source: Buoy
<b>Scattered strong thunderstorms in advance of a slow moving cold front affected the coastal waters of southeast Louisiana and Mississippi.</b>				
<b>PASCAGOULA MS TO SW PASS OF MS R 20 TO 60NM COUNTY --- 45.0 E VENICE [29.28, -88.62]</b>				
	08/11/08 09:31 CST		0	Marine Thunderstorm Wind (MG 35 kt)
	08/11/08 09:31 CST		0	Source: Buoy
<b>Scattered strong thunderstorms affecting the coastal waters of southeast Louisiana and Mississippi developed in a moist and unstable airmass.</b>				
<b>SW PASS OF THE MS R TO ATCHAFALAYA R LA OUT 20NM COUNTY --- GRAND ISLE [29.25, -90.00]</b>				
	08/12/08 22:36 CST		0	Marine Thunderstorm Wind (MG 36 kt)
	08/12/08 22:36 CST		0	Source: C-MAN Station
<b>PASCAGOULA MS TO SW PASS OF MS R 20 TO 60NM COUNTY --- 45.0 E VENICE [29.28, -88.62]</b>				
	08/13/08 08:49 CST		0	Marine Thunderstorm Wind (MG 34 kt)
	08/13/08 08:49 CST		0	Source: Buoy
<b>Scattered strong thunderstorms affected the coastal waters of southeast Louisiana and Mississippi in advance of a cold front and in association with an upper level disturbance moving across the lower Mississippi Valley.</b>				
<b>LAKE PONCHARTRAIN AND LAKE MAUREPAS COUNTY --- 15.8 WNW LKFRNT ARPT NEW [30.10, -90.29], 11.3 SE LAKE MAUREPAS [30.15, -90.35]</b>				
	08/19/08 10:26 CST		0	Waterspout
	08/19/08 10:36 CST		0	Source: Official NWS Observations
A waterspout was observed over Lake Pontchartrain to the northwest of New Orleans Louis Armstrong International Airport.				
<b>Isolated strong thunderstorms developed in a moist and unstable air mass in advance of an upper level disturbance.</b>				
<b>SW PASS OF THE MS R TO ATCHAFALAYA R LA OUT 20NM COUNTY --- 20.0 S VENICE [28.99, -89.37]</b>				
	08/24/08 21:48 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	08/24/08 21:48 CST		0	Source: C-MAN Station
<b>PASCAGOULA MS TO SW PASS OF MS R 20 TO 60NM COUNTY --- 45.0 E VENICE [29.28, -88.62]</b>				
	08/25/08 02:18 CST		0	Marine Thunderstorm Wind (MG 44 kt)
	08/25/08 02:18 CST		0	Source: Buoy
<b>SW PASS OF THE MS R TO ATCHAFALAYA R LA OUT 20NM COUNTY --- 20.0 S VENICE [28.99, -89.37]</b>				

## Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/25/08 03:48 CST		0	Marine Thunderstorm Wind (MG 43 kt)
	08/25/08 03:48 CST		0	Source: C-MAN Station

Scattered strong thunderstorms associated with Tropical Depression Fay affected the southeast Louisiana and Mississippi coastal waters.

### LOUISIANA, Southeast

(LA-Z059) UPPER LAFOURCHE, (LA-Z065) UPPER TERREBONNE, (LA-Z066) LOWER TERREBONNE, (LA-Z067) LOWER LAFOURCHE, (LA-Z068) LOWER JEFFERSON, (LA-Z069) LOWER PLAQUEMINES

08/03/08 16:00 CST	0	Tropical Storm
08/05/08 10:00 CST	0	

(LA-Z066) LOWER TERREBONNE, (LA-Z067) LOWER LAFOURCHE, (LA-Z068) LOWER JEFFERSON, (LA-Z069) LOWER PLAQUEMINES

08/03/08 16:00 CST	0	Storm Surge/Tide
08/05/08 10:00 CST	0	

Tropical Storm Edouard formed over the north central Gulf of Mexico on the afternoon of August 3rd. Edouard moved east northeast offshore the south Louisiana coastline before making landfall on the upper Texas Coast on Tuesday August 5th. The affect on the southeast Louisiana were minimal and confined to the coastal areas west of the Mississippi River. Tropical storm force winds, primarily in gusts, occurred along the coast. Tides were generally 1 to 3 feet above normal with a few low lying roadways having minor flooding. Lowest pressure recorded was 1009.2 mb at the LUMCON facility at Cocodrie. Maximum sustained winds at the LUMCON-Tambour Bay site were 34 knots and a peak wind of 38 knots. At the LUMCON-Cocodrie facility a wind gust of 34 knots was observed. A maximum storm tide of 3.2 feet NAVD88 was observed at the LUMCON Cocodrie site. Storm total rainfall was less than an inch. Maximum storm total rainfall was 0.86 inches at the LSU Ag Station near Houma.

A 34 year old man was lost overboard and presumed dead when he apparently fell off of a commercial shrimp boat in rough seas about two miles south of the Southwest Pass during the evening of August 3rd.

EAST FELICIANA COUNTY --- JACKSON [30.83, -91.22], 0.6 ENE CLINTON [30.87, -91.02]

08/12/08 12:12 CST	2K	Thunderstorm Wind (EG 50 kt)
08/12/08 13:00 CST	0	Source: Law Enforcement

Trees and power lines were blown down at various locations around East Feliciana Parish.

ST. TAMMANY COUNTY --- FOLSOM [30.63, -90.20]

08/12/08 14:46 CST	1K	Thunderstorm Wind (EG 50 kt)
08/12/08 14:46 CST	0	Source: Law Enforcement

Trees were blown down.

ST. TAMMANY COUNTY --- LACOMBE [30.32, -89.93], SLIDELL [30.27, -89.78]

08/12/08 15:15 CST	2.50K	Thunderstorm Wind (EG 50 kt)
08/12/08 16:00 CST	0	Source: Law Enforcement

Numerous trees and power lines were knocked down.

Scattered severe thunderstorms affected areas of southeast Louisiana in advance of a cold front and in association with an upper level disturbance moving across the lower Mississippi Valley.

TERREBONNE COUNTY --- 1.2 W HOUMA [29.60, -90.74], 1.5 E HOUMA [29.60, -90.69], 0.9 W (HUM)HOUMA ARPT [29.57, -90.68], 0.7 ESE SOUTHDOWN [29.58, -90.74]

08/17/08 17:00 CST	0	Flash Flood (due to Heavy Rain)
08/17/08 19:00 CST	0	Source: Newspaper

A thunderstorm produced heavy rainfall of two to three inches in a short period of time resulting in widespread street flooding in areas of Houma. In addition, a number of homes experienced minor flooding, primarily in the Broadmoor subdivision.

TERREBONNE COUNTY --- HOUMA [29.60, -90.72]

08/17/08 17:00 CST	15K	Lightning
08/17/08 17:00 CST	0	Source: Newspaper

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A lightning strike caused a fire that damaged the kitchen and utility room of a house.				
Scattered strong thunderstorms developed in a moist and unstable atmosphere.				
<b>ST. BERNARD COUNTY --- MERAUX [29.93, -89.93]</b>				
	08/21/08 14:45 CST		0	Funnel Cloud
	08/21/08 14:48 CST		0	Source: Emergency Manager

A funnel cloud was briefly observed.

Isolated strong thunderstorms developed in a moist and unstable airmass.

(LA-Z034) POINTE COUPEE, (LA-Z035) WEST FELICIANA, (LA-Z036) EAST FELICIANA, (LA-Z037) ST. HELENA, (LA-Z038) TANGIPAHOA, (LA-Z039) WASHINGTON, (LA-Z040) ST. TAMMANY, (LA-Z046) IBERVILLE, (LA-Z047) WEST BATON ROUGE, (LA-Z048) EAST BATON ROUGE, (LA-Z049) ASCENSION, (LA-Z050) LIVINGSTON, (LA-Z056) ASSUMPTION, (LA-Z057) ST. JAMES, (LA-Z058) ST. JOHN THE BAPTIST, (LA-Z059) UPPER LAFOURCHE, (LA-Z060) ST. CHARLES, (LA-Z061) UPPER JEFFERSON, (LA-Z062) ORLEANS, (LA-Z063) UPPER PLAQUEMINES, (LA-Z064) UPPER ST. BERNARD, (LA-Z065) UPPER TERREBONNE, (LA-Z066) LOWER TERREBONNE, (LA-Z067) LOWER LAFOURCHE, (LA-Z068) LOWER JEFFERSON, (LA-Z069) LOWER PLAQUEMINES, (LA-Z070) LOWER ST. BERNARD				
	08/24/08 03:00 CST		0	Tropical Depression
	08/25/08 16:00 CST		0	

Tropical Storm Fay weakened to a tropical depression over the panhandle of Florida and moved slowly west northwest across the Gulf Coast region, reaching the southwest Mississippi and southeast Louisiana border before moving off to the northeast. Other than a few locations seeing moderate rainfall amounts, Tropical Depression Fay had minimal impact on the area with winds remaining below tropical storm force.

### MISSISSIPPI, South

<b>HARRISON COUNTY --- SAUCIER [30.63, -89.13]</b>				
	08/03/08 12:40 CST		0	Hail (1.25 in)
	08/03/08 12:40 CST		0	Source: Emergency Manager
<b>HARRISON COUNTY --- SAUCIER [30.63, -89.13]</b>				
	08/03/08 12:40 CST		1K	Thunderstorm Wind (EG 50 kt)
	08/03/08 12:40 CST		0	Source: Trained Spotter

Thunderstorm winds knocked down six trees.

<b>PEARL RIVER COUNTY --- 2.0 S MC NEIL [30.64, -89.63]</b>				
	08/03/08 13:25 CST		1.50K	Thunderstorm Wind (EG 50 kt)
	08/03/08 13:25 CST		0	Source: Law Enforcement

Thunderstorm winds blew down several trees.

<b>PEARL RIVER COUNTY --- PICAYUNE [30.53, -89.68]</b>				
	08/03/08 13:34 CST		0	Hail (1.00 in)
	08/03/08 13:34 CST		0	Source: Law Enforcement

Isolated strong to severe thunderstorms developed in a very moist and unstable atmosphere.

<b>PIKE COUNTY --- MC COMB [31.25, -90.47], OSYKA [31.00, -90.50]</b>				
	08/12/08 13:20 CST		2.50K	Thunderstorm Wind (EG 50 kt)
	08/12/08 13:40 CST		0	Source: Law Enforcement

Numerous tree were blown down across southern Pike County and in the McComb area.

<b>PEARL RIVER COUNTY --- 2.0 E MC NEIL [30.67, -89.60]</b>				
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## Storm Data and Unusual Weather Phenomena - August 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/12/08 15:12 CST		2K	Thunderstorm Wind (EG 50 kt)
	08/12/08 15:12 CST		0	Source: Emergency Manager

Numerous trees were knocked down along Interstate 59 between mile markers 10 and 19.

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### PEARL RIVER COUNTY --- SAVANNAN [30.73, -89.48]

08/12/08 15:25 CST	1K	Thunderstorm Wind (EG 50 kt)
08/12/08 15:25 CST	0	Source: Emergency Manager

Trees were blown down along Highway 53 near Savannah.

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### HARRISON COUNTY --- SAUCIER [30.63, -89.13]

08/12/08 16:52 CST	1K	Thunderstorm Wind (EG 50 kt)
08/12/08 16:52 CST	0	Source: Law Enforcement

Trees were blown down.

Scattered severe thunderstorms affected areas of south Mississippi in advance of a cold front and in association with an upper level disturbance moving across the lower Mississippi Valley.

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### (MS-Z068) WILKINSON, (MS-Z069) AMITE, (MS-Z070) PIKE, (MS-Z071) WALTHALL, (MS-Z077) PEARL RIVER, (MS-Z080) HANCOCK, (MS-Z081) HARRISON, (MS-Z082) JACKSON

08/24/08 03:00 CST	0	Tropical Depression
08/25/08 16:00 CST	0	

Tropical Storm Fay weakened to a tropical depression over the panhandle of Florida and moved slowly west northwest across the Gulf Coast region, reaching the southwest Mississippi and southeast Louisiana border before moving off to the northeast. Tropical Depression Fay had minimal impact on the area with winds remaining below tropical storm force and light rainfall amounts.

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### LOUISIANA, Southeast

(LA-Z034) POINTE COUPEE, (LA-Z035) WEST FELICIANA, (LA-Z036) EAST FELICIANA, (LA-Z037) ST. HELENA, (LA-Z038) TANGIPAHOA, (LA-Z039) WASHINGTON, (LA-Z040) ST. TAMMANY, (LA-Z046) IBERVILLE, (LA-Z047) WEST BATON ROUGE, (LA-Z048) EAST BATON ROUGE, (LA-Z049) ASCENSION, (LA-Z050) LIVINGSTON, (LA-Z056) ASSUMPTION, (LA-Z057) ST. JAMES, (LA-Z058) ST. JOHN THE BAPTIST, (LA-Z059) UPPER LAFOURCHE, (LA-Z060) ST. CHARLES, (LA-Z061) UPPER JEFFERSON, (LA-Z062) ORLEANS, (LA-Z063) UPPER PLAQUEMINES, (LA-Z064) UPPER ST. BERNARD, (LA-Z065) UPPER TERREBONNE, (LA-Z066) LOWER TERREBONNE, (LA-Z067) LOWER LAFOURCHE, (LA-Z068) LOWER JEFFERSON, (LA-Z069) LOWER PLAQUEMINES, (LA-Z070) LOWER ST. BERNARD

09/01/08 00:00 CST	3	0.12B	Hurricane
09/02/08 03:00 CST		0	

(LA-Z038) TANGIPAHOA, (LA-Z040) ST. TAMMANY, (LA-Z050) LIVINGSTON, (LA-Z058) ST. JOHN THE BAPTIST, (LA-Z060) ST. CHARLES, (LA-Z061) UPPER JEFFERSON, (LA-Z062) ORLEANS, (LA-Z066) LOWER TERREBONNE, (LA-Z067) LOWER LAFOURCHE, (LA-Z068) LOWER JEFFERSON, (LA-Z069) LOWER PLAQUEMINES, (LA-Z070) LOWER ST. BERNARD

09/01/08 00:00 CST		25.60M	Storm Surge/Tide
09/02/08 03:00 CST		0	

Hurricane Gustav emerged into the southeast Gulf of Mexico as a major category 3 hurricane on August 31st after developing in the Caribbean Sea and moving across western Cuba. Gustav tracked northwestward across the Gulf toward Louisiana and made landfall as a category 2 hurricane near Cocodrie, Louisiana during the morning of September 1st. Gustav continued to move northwest across south Louisiana and weakened to a Category 1 storm over south central Louisiana later that day. The storm diminished to a tropical depression over northwestern Louisiana on September 2nd.

The highest wind gust recorded was 102 knots or 117 mph at a USGS site at the Houma Navigational Canal and at the Pilot Station Est C-MAN at near the Southwest Pass of the Mississippi River. The highest sustained wind of 91 mph was recorded at the Pilot's Station East C-MAN site.

However, due to the failure of equipment at some observation sites during the storm higher winds may have occurred. The minimum sea level pressure measured was 951.6 millibars at a USGS site at Caillou Lake southwest of Dulac and 954.5 millibars at the LUMCON facility near Dulac. Rainfall varied considerably across southeast Louisiana ranging from around 4 inches to just over 11 inches.

Gustav produced widespread wind damage across southeast Louisiana, especially in the area from Houma and Thibodaux through the greater Baton Rouge area. Hurricane force wind gusts occurred across the inland areas through the Baton Rouge area and surrounding parishes. A peak wind gust of 91 mph was recorded at the Baton Rouge (Ryan Field) Airport at 112 PM CST. This was only one mph less than the highest wind gust recorded during Hurricane Betsy in 1965. The electric utility serving most of southeast Louisiana reported 75 to 100 percent of utility customers were without power after the storm from Lafourche and Terrebonne Parishes northwest through the Baton Rouge area to southwest Mississippi and central Louisiana. Considerable damage occurred to many houses and structures as large tree limbs and trees were toppled by the hurricane force winds. Preliminary estimates from the American Red Cross indicated that around 13,000 single family dwellings were damaged by the hurricane in southeast Louisiana, and several thousand more apartments and mobile homes. Early estimates from Louisiana Economic Development indicated that Gustav caused at least \$4.5 billion in property damage in Louisiana, including insured and uninsured losses.

A storm surge of 5 to 8 feet above normal occurred along the coast from the mouth of Mississippi River westward through Terrebonne Parish. The highest storm surge of 8 to 12 feet above normal occurred more distant to the east, on the east side of the Mississippi River Delta, from the Mouth of Mississippi River to the Mississippi-Louisiana border. Storm surge around Lake Pontchartrain was generally 4 to 5 feet above normal. Storm surge affected many low-lying coastal areas as well as areas around Lake Pontchartrain, but federal levees protected most of the high density population areas of greater New Orleans. However, some locally built levees were breached or overtopped.

Three tornadoes occurred on the 2nd of September from feeder bands over the area as remnants of Gustav passed well north of the area. The most significant of the tornadoes occurred on west bank areas of Jefferson Parish where several structures suffered heavy damage.

Rainfall run-off was great enough to produce moderate flooding at some locations along the Amite and Comite Rivers in the Baton Rouge area, and along the Bogue Falaya River in the Covington area.

### MISSISSIPPI, South

(MS-Z068) WILKINSON, (MS-Z069) AMITE, (MS-Z070) PIKE, (MS-Z071) WALTHALL, (MS-Z077) PEARL RIVER, (MS-Z080) HANCOCK, (MS-Z081) HARRISON, (MS-Z082) JACKSON

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	09/01/08 00:00 CST		19.39M	Hurricane
	09/02/08 03:00 CST		0	
(MS-Z080) HANCOCK, (MS-Z081) HARRISON, (MS-Z082) JACKSON				
	09/01/08 00:00 CST		2M	Storm Surge/Tide
	09/02/08 03:00 CST		0	

Hurricane Gustav emerged into the southeast Gulf of Mexico as a major category 3 hurricane on August 31st after developing in the Caribbean Sea and moving across western Cuba. Gustav tracked northwestward across the Gulf toward Louisiana and made landfall as a category 2 hurricane near Cocodrie Louisiana during the morning of September 1st. Gustav continued to move northwest and weakened to a category 1 storm over south central Louisiana later that day. The storm diminished to a tropical depression over northwestern Louisiana on September 2nd.

The highest wind gust recorded in south Mississippi was 74 mph at the Gulfport-Biloxi Regional Airport while the highest sustained wind of 54 mph was recorded at the Waveland Yacht Club. No official wind observations were available in far southwest Mississippi, however wind gusts to hurricane force may have occurred. The minimum sea level pressure measured in south Mississippi was 998 millibars at the McComb-Pike County Airport. Rainfall varied considerably ranging from around 4 to 10 inches.

Gustav produced mainly light wind damage across coastal Mississippi, although more significant and concentrated damage occurred in southwest Mississippi closer to the track of center of the storm. Widespread power outages occurred in southwest Mississippi, especially in Wilkinson County. Approximately 640 homes and mobiles homes in Wilkinson County were damaged by wind and falling trees and tree limbs.

Storm surge ranged from of 4.5 to 6 feet in Jackson County to 8 to 11 feet in Hancock County. The maximum storm tide on the Mississippi coast was recorded at the NOAA tide gage at Bay St Louis with a reading of 10.92 ft above MLLW. Around 50 homes were flooded in Hancock County along with minor to moderate coastal flooding and beach erosion. The worst coastal flooding from the storm surge was in Hancock County.